

FIG. 1

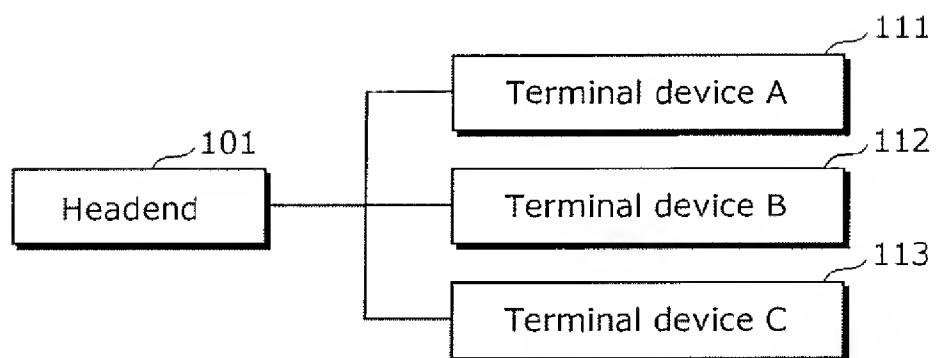


FIG. 2

Frequency band	Usage	Modulation technique
5 to 130 MHz	Out Of Band (OOB) Data exchange between headend and terminals	QPSK
130 to 864 MHz	In-band Ordinary television broadcasting including video and audio	QAM

FIG. 3

Frequency band	Usage
70 to 74 MHz	Data transmission from headend 101 to terminal device
10.0 to 10.1 MHz	Data transmission from terminal device A111 to headend 101
10.1 to 10.2 MHz	Data transmission from terminal device B112 to headend 101
10.2 to 10.3 MHz	Data transmission from terminal device C113 to headend 101

FIG. 4

Frequency band	Usage
150 to 156 MHz	Television channel 1
156 to 162 MHz	Television channel 2
⋮	⋮
310 to 311 MHz	Radio channel 1
⋮	⋮

FIG. 5

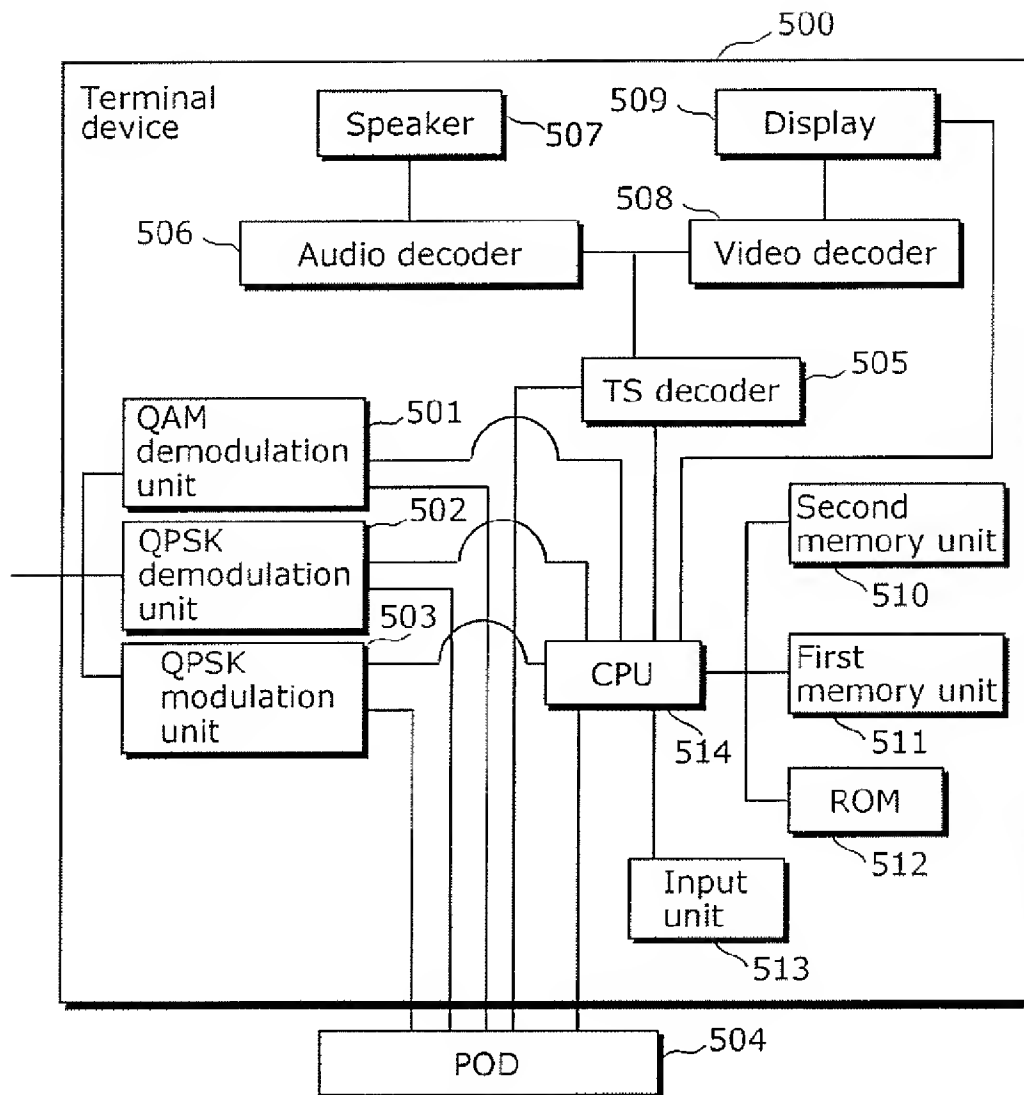


FIG. 6

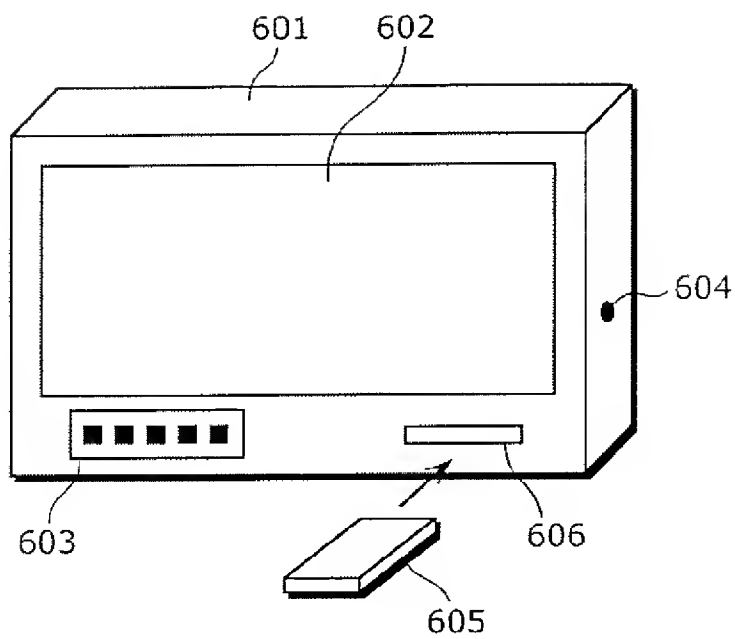


FIG. 7

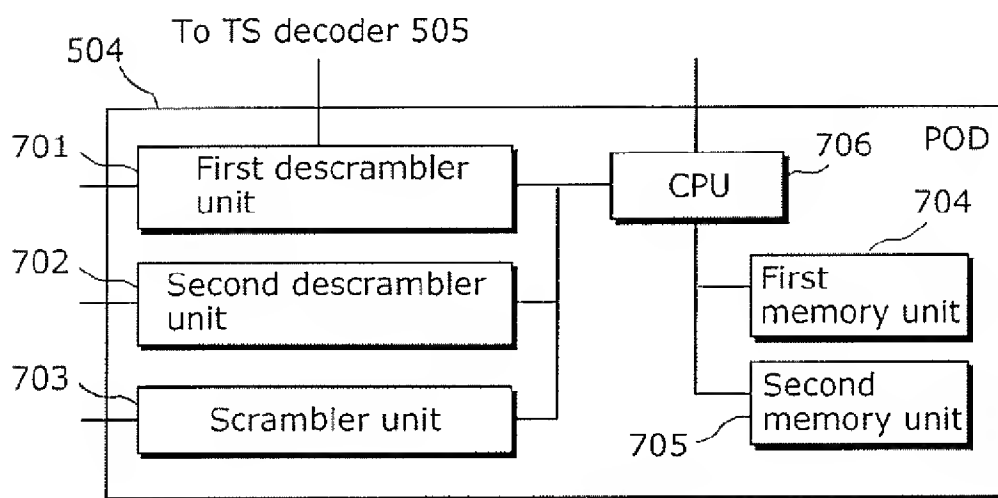


FIG. 8

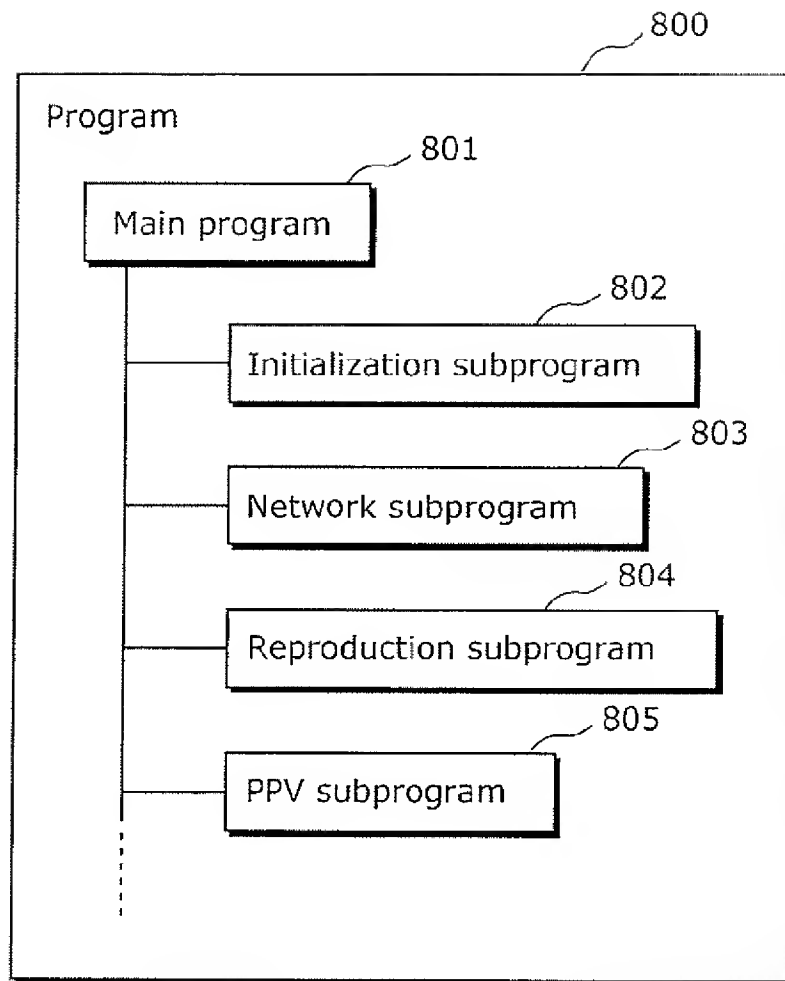


FIG. 9

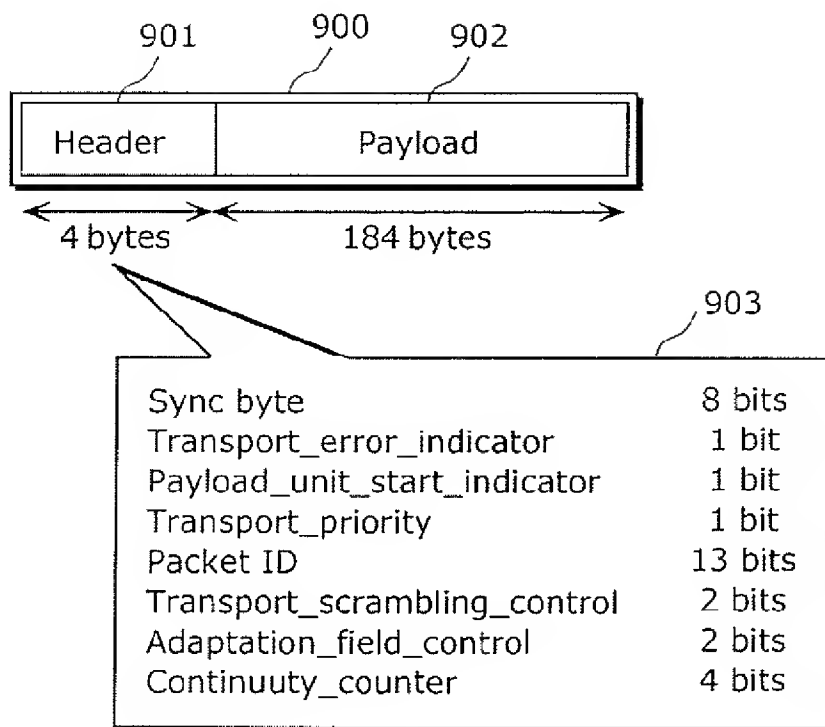


FIG. 10

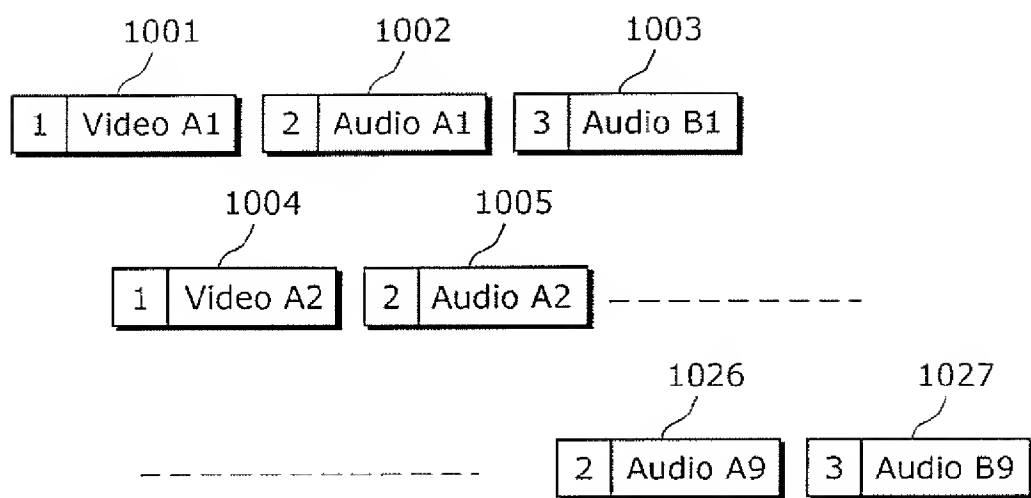


FIG. 11

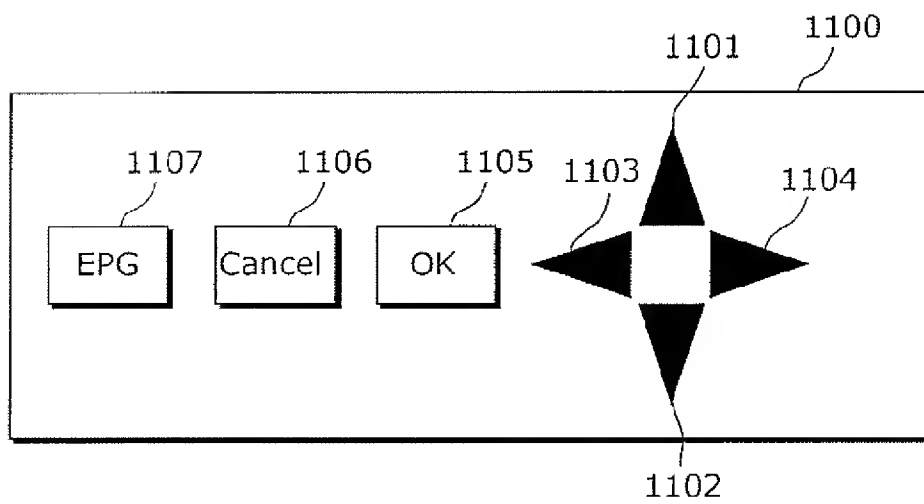


FIG. 12

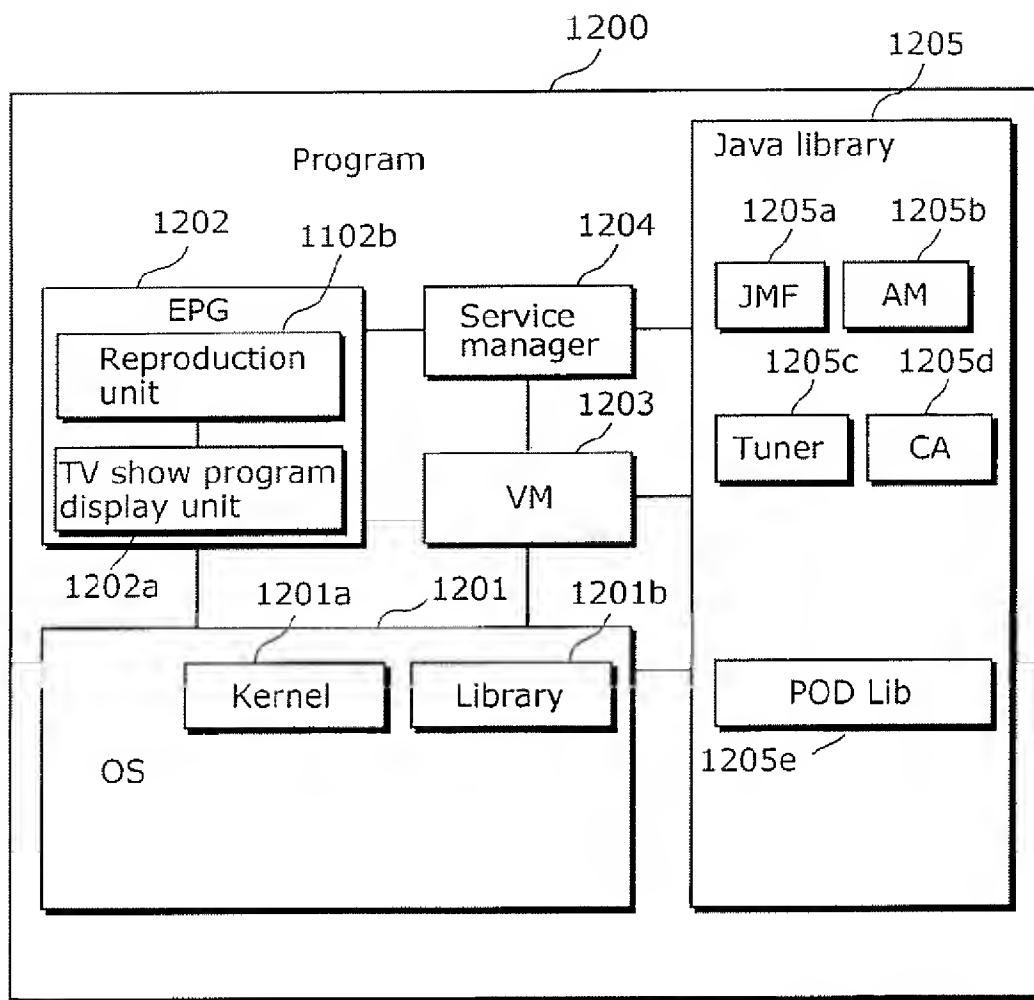


FIG. 13A

Time	Channel 1	Channel 2
9:00-10:00	News 9	Movie BBB
10:00-11:00		
11:00-12:00	Movie AAA	News 11

FIG. 13B

Time	Channel 1	Channel 2
9:00-10:00	News 9	Movie BBB
10:00-11:00		
11:00-12:00	Movie AAA	News 11

FIG. 14

1	Channel 1	150 MHz,....	101
2	Channel 2	156 MHz,....	102
3	TV3	216 MHz,....	103
4	TV Japan	222 MHz,....	104

FIG. 15A

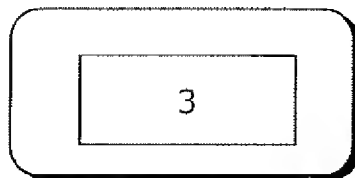


FIG. 15B

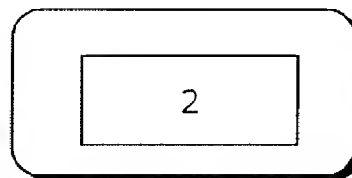


FIG. 15C

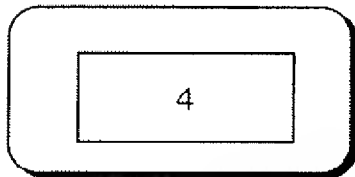


FIG. 16

	1601	1602
1611	101	501
1612	102	502
1613	103	503

FIG. 17

	1701	1702	1703
1711	Audio	5011	
1712	Video	5012	
1713	Data	5013	AIT
1714	Data	5014	DSMCC[1]

FIG. 18

	Java program identifier 1801	Control information 1802	DSMCC identifier 1803	Program name 1804	Version number 1805
1811	0x201	autostart	1	/a/TopXlet	1
1812	0x202	present	1	/b/GameXlet	2

FIG. 19

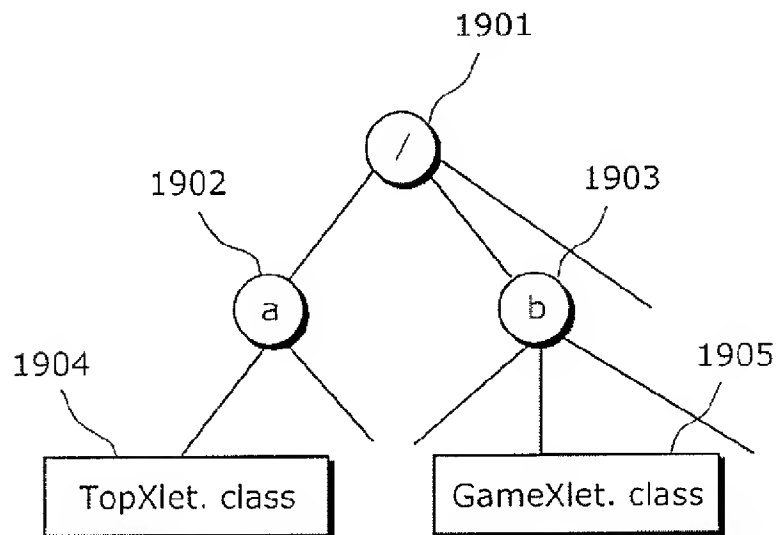


FIG. 20

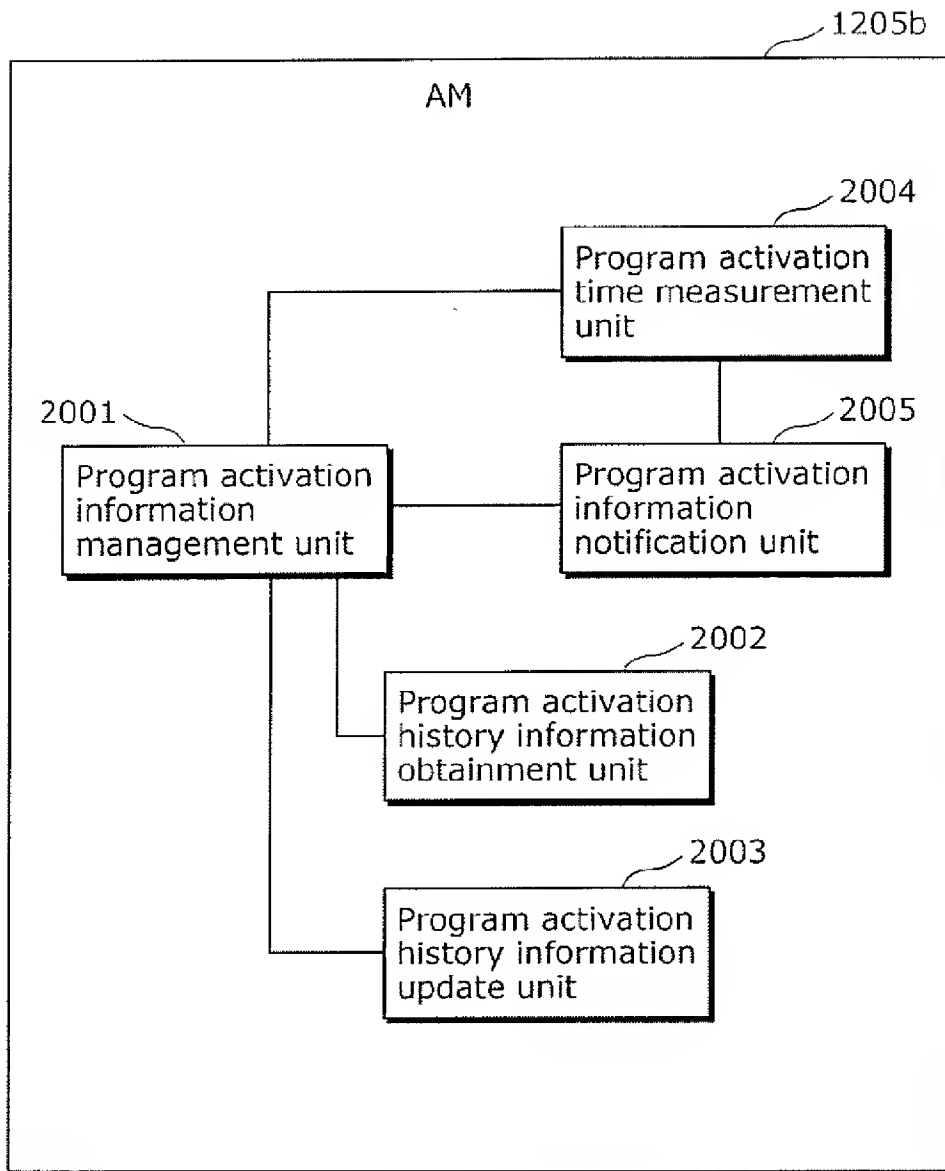


FIG. 21A

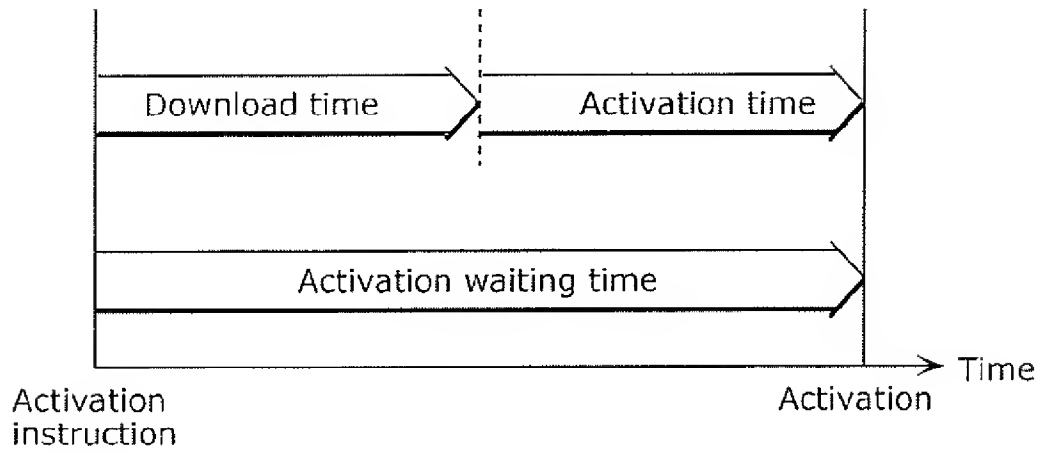


FIG. 21B

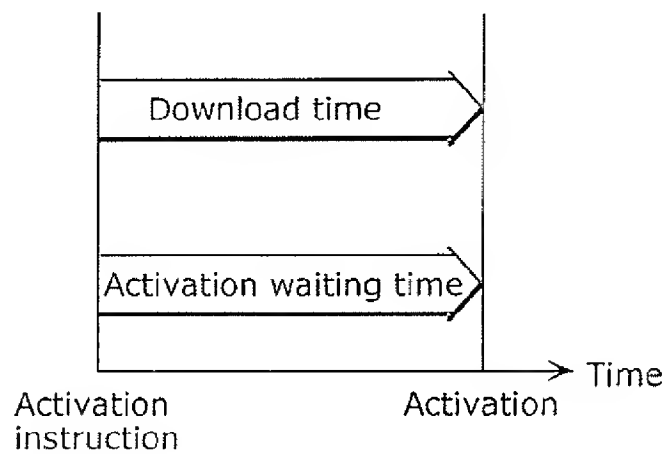


FIG. 22

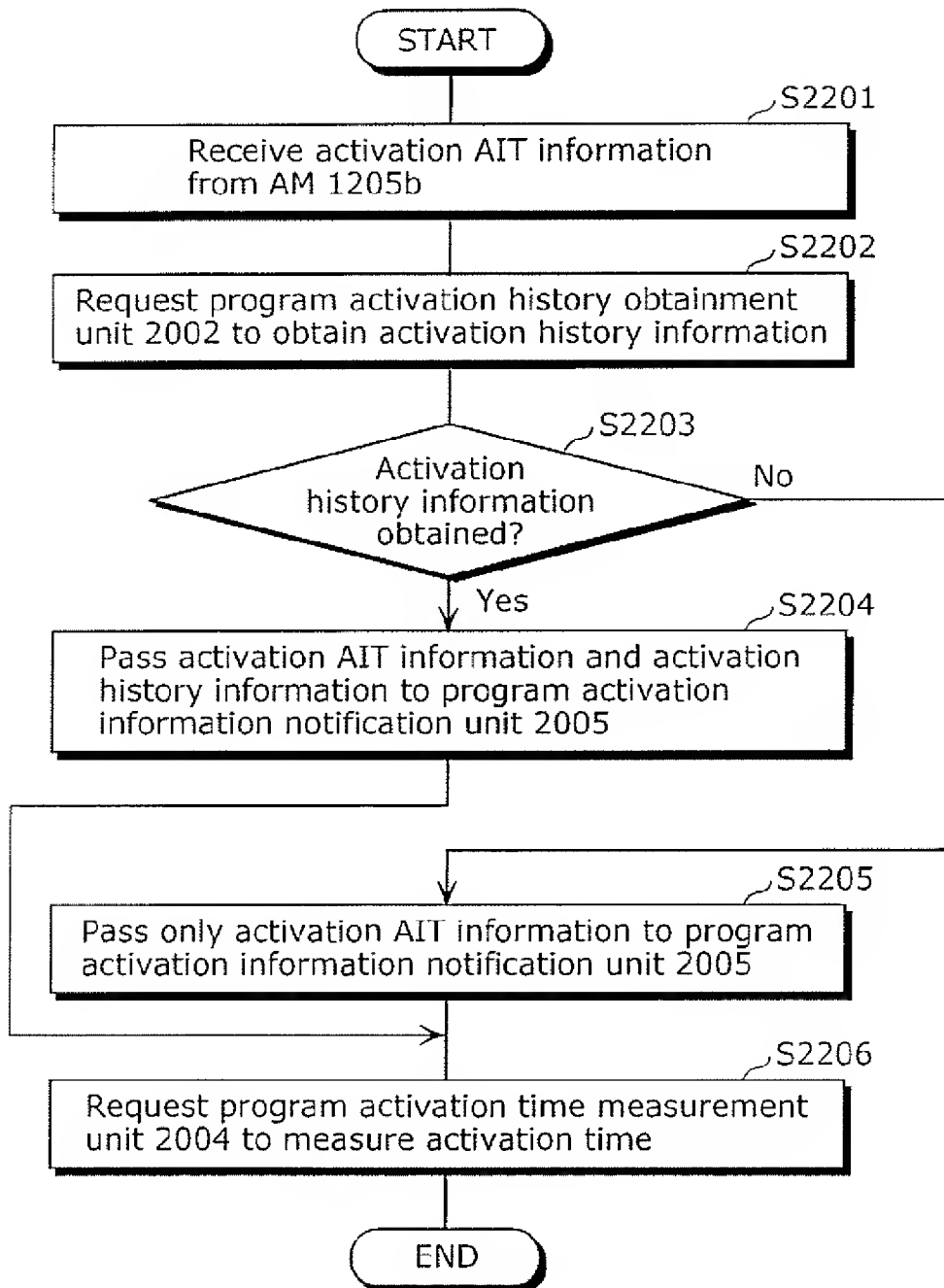


FIG. 23

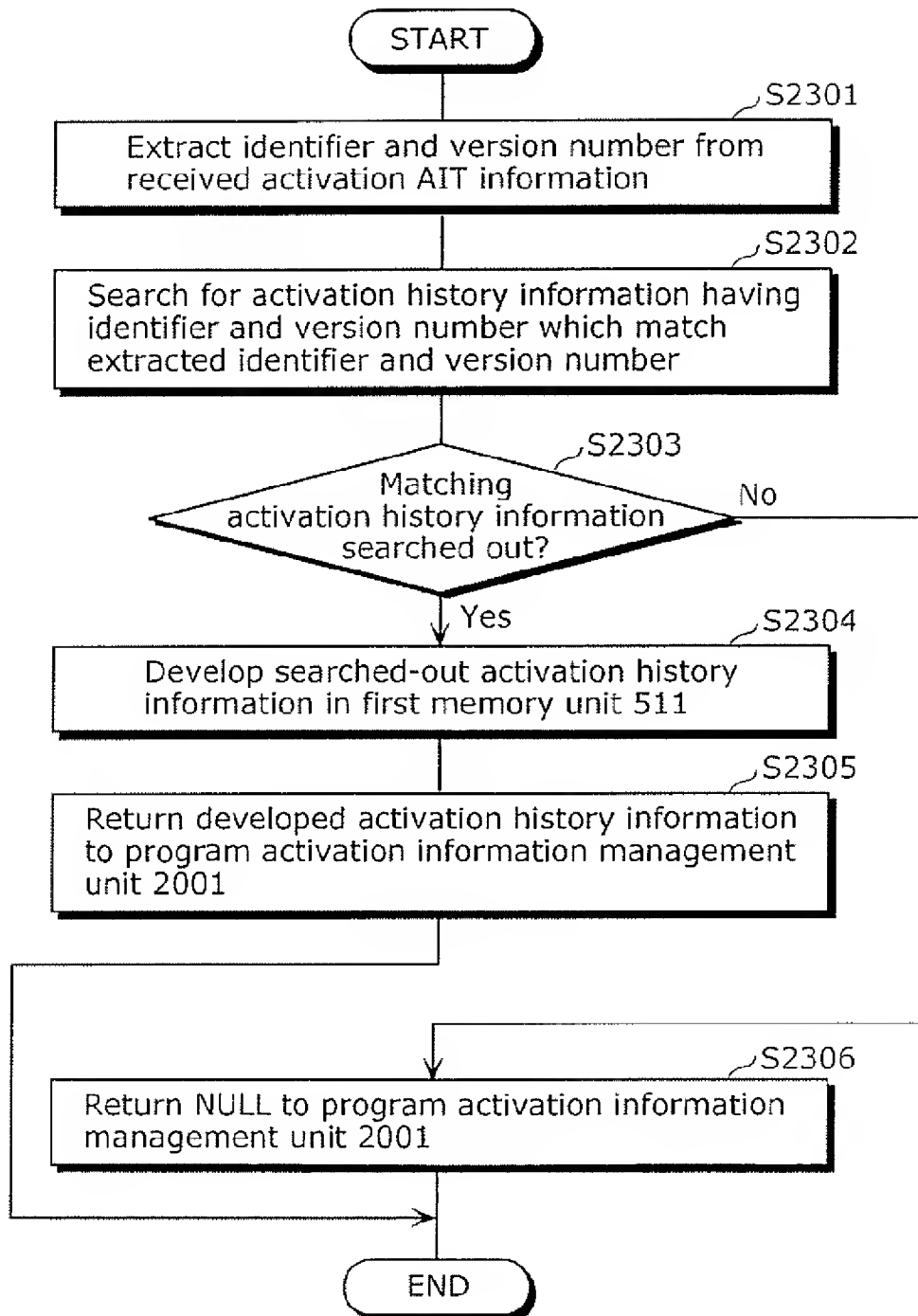


FIG. 24

	Java program identifier 2401	Version number 2402	Processing time 2403
2411	0x201	1	240 (seconds)
2412	0x202	2	500 (seconds)

FIG. 25

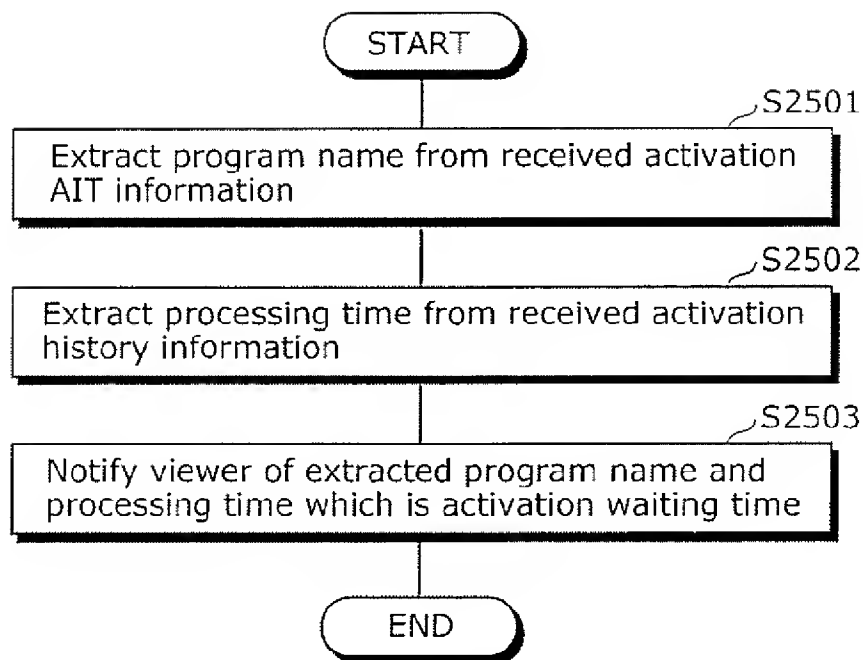


FIG. 26

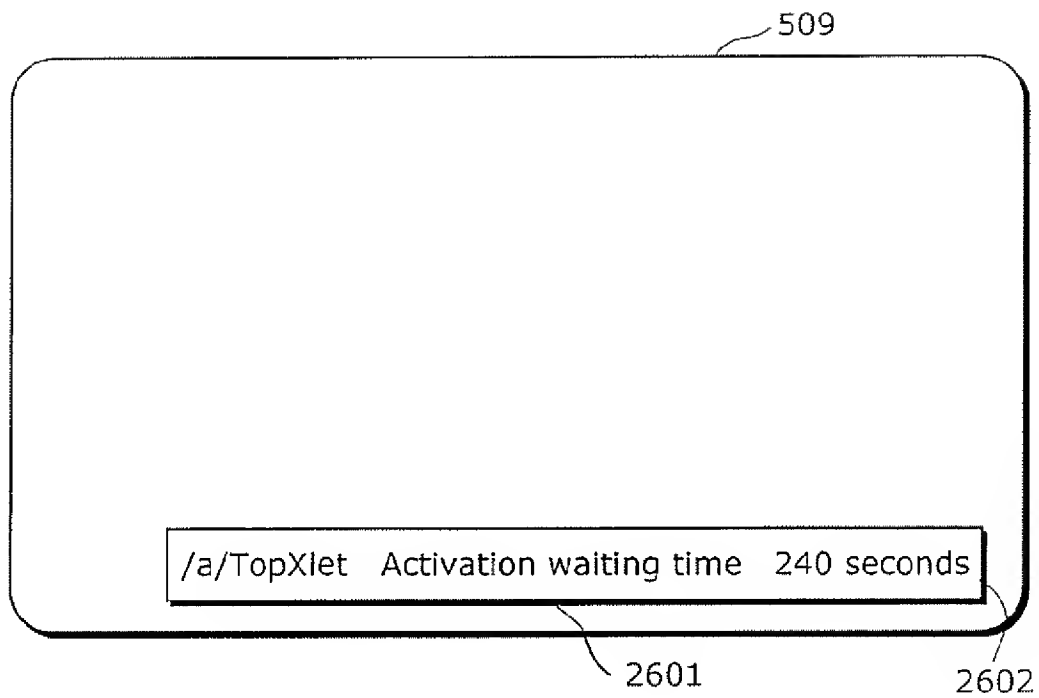


FIG. 27

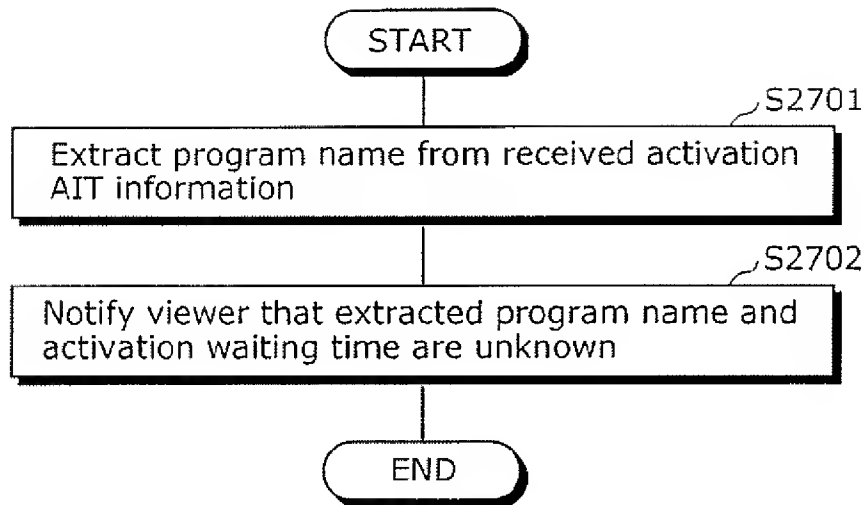


FIG. 28

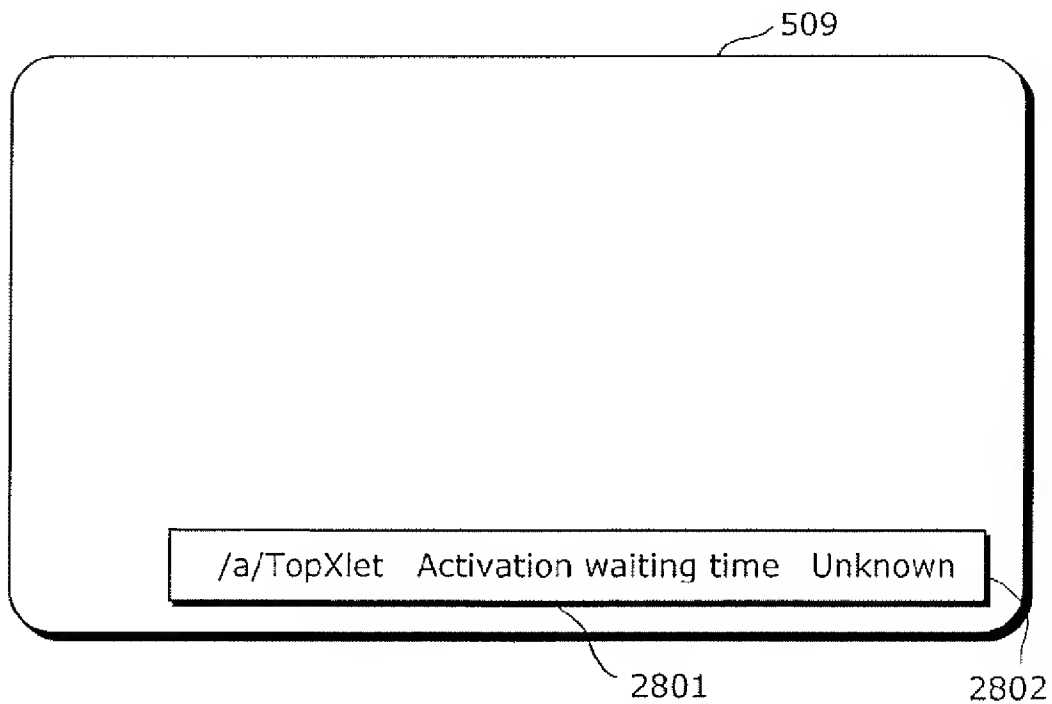


FIG. 29

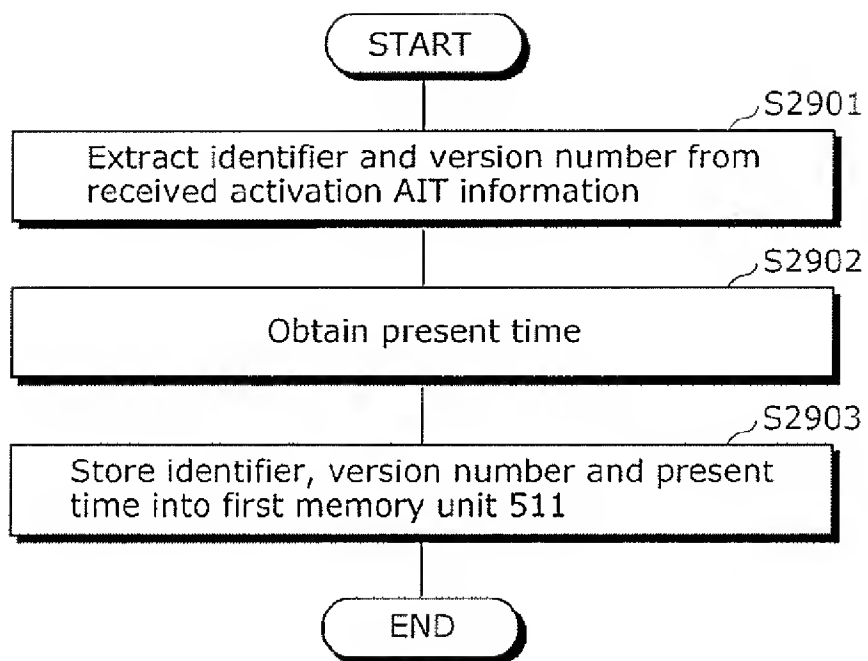


FIG. 30

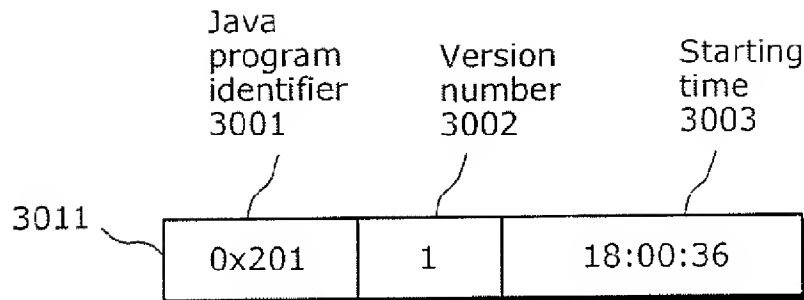


FIG. 31

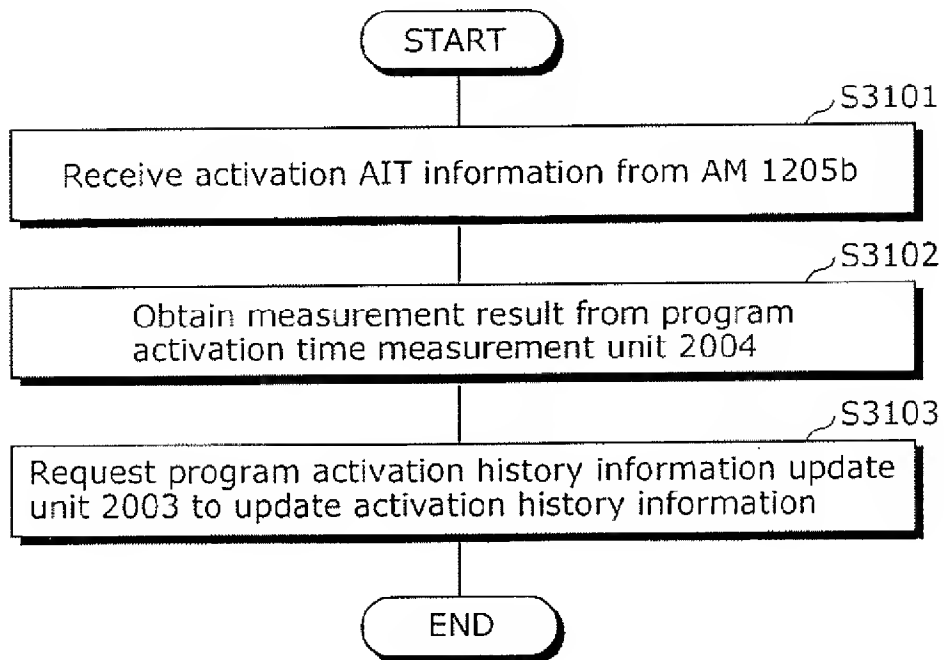


FIG. 32

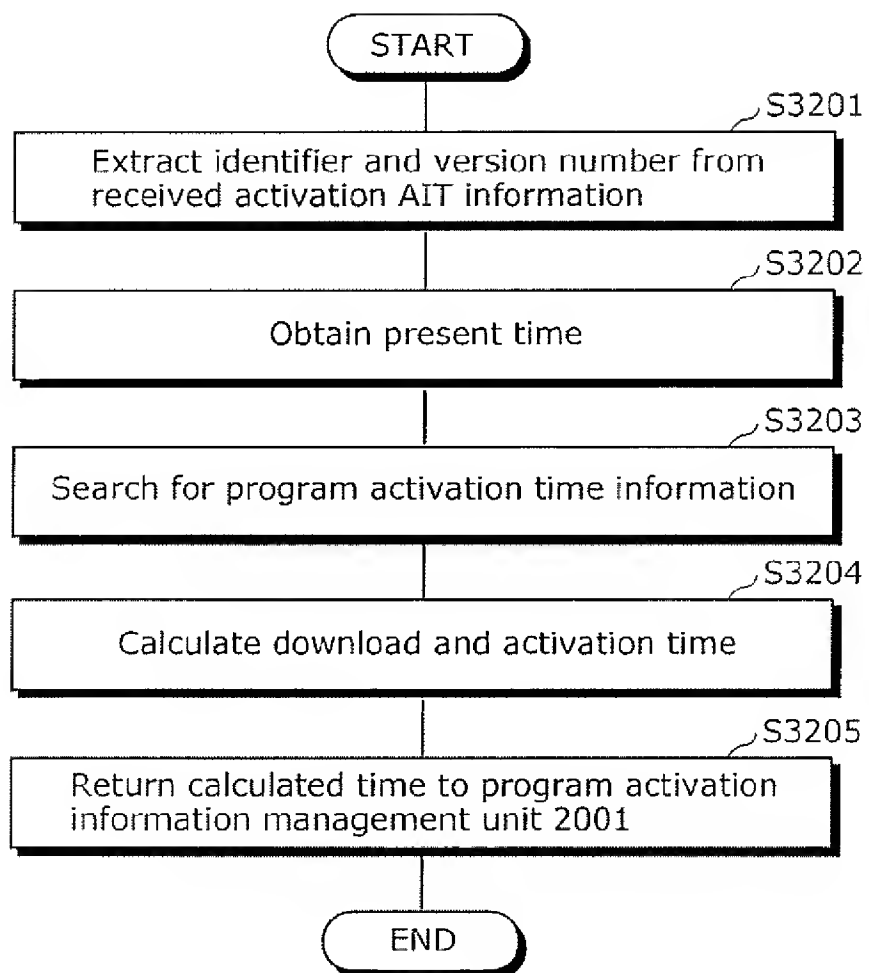


FIG. 33

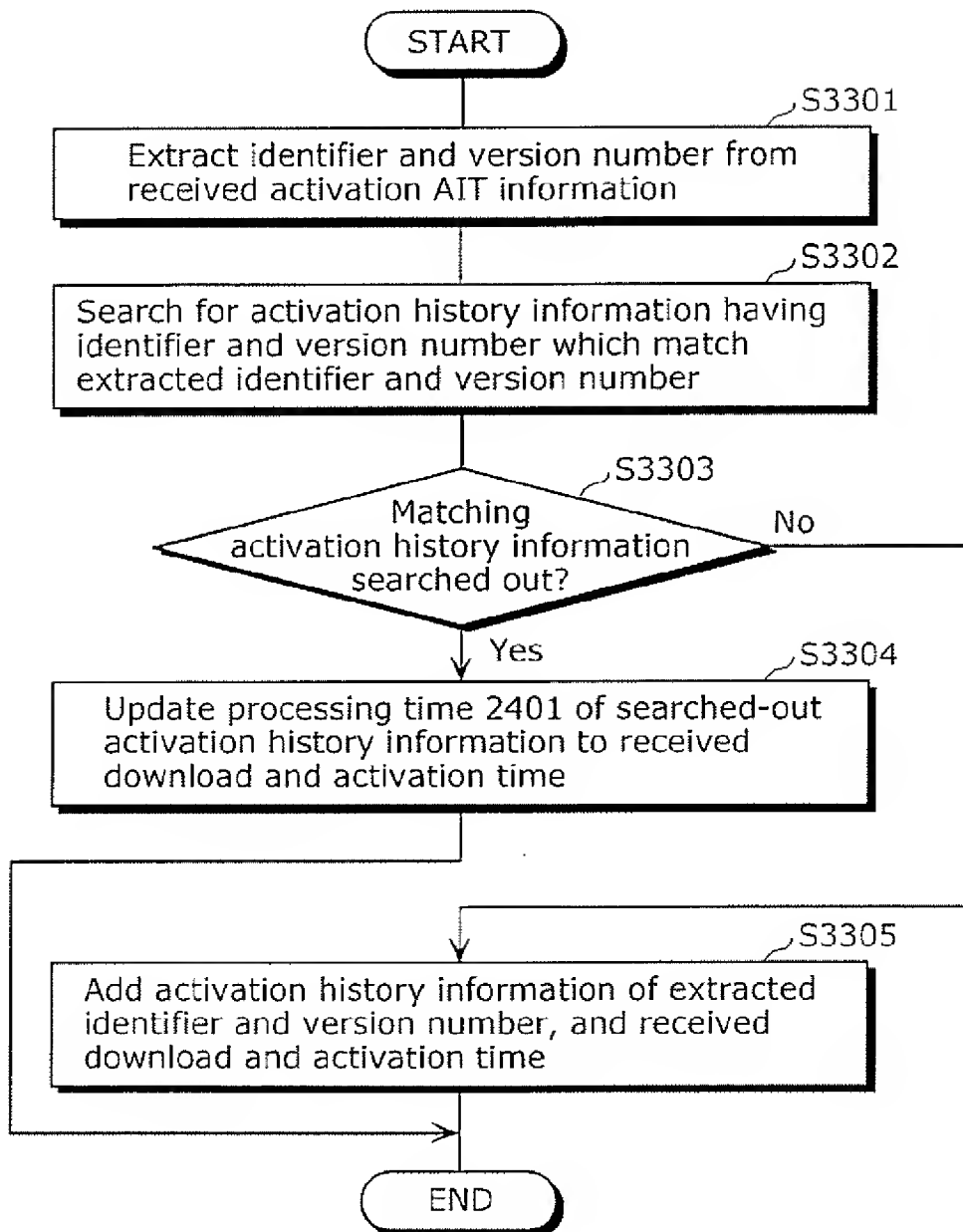


FIG.34

	Java program Identifier 3401	Control information 3402	DSMCC identifier 3403	Program name 3404	Priority 3405
3411	701	autostart	1	/a/Banner1Xlet	200
3412	702	present	1	/b/Banner2Xlet	201

FIG.35

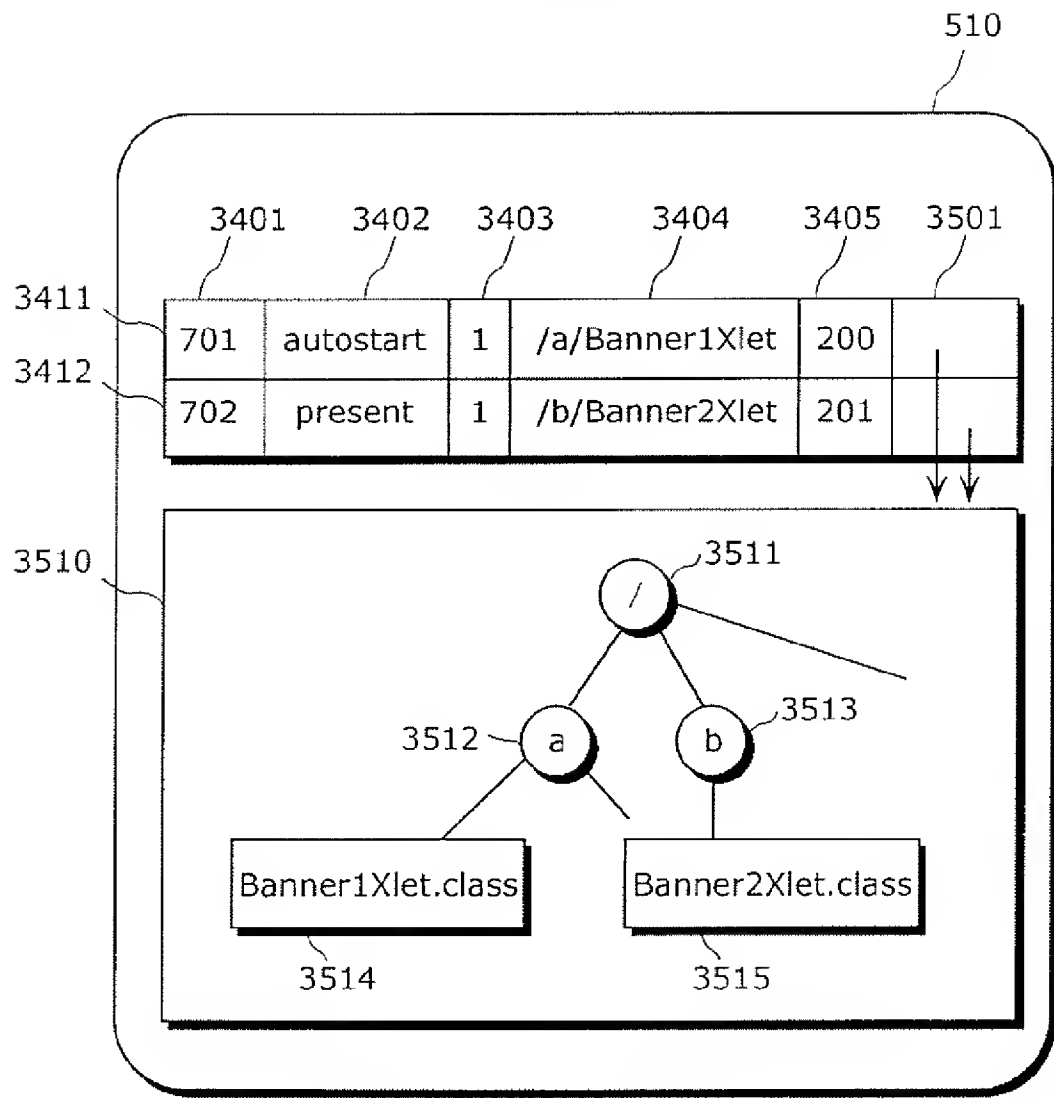


FIG. 36

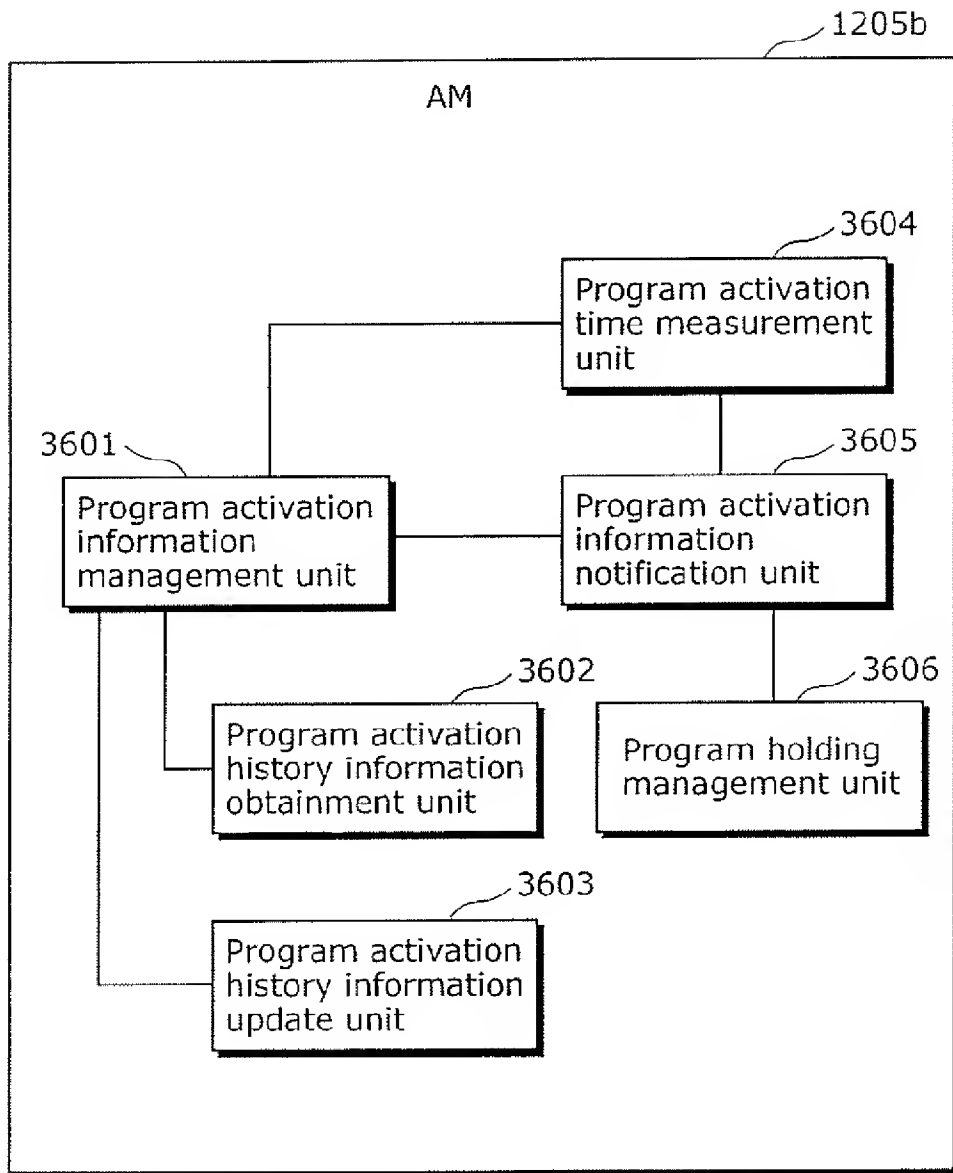


FIG. 37

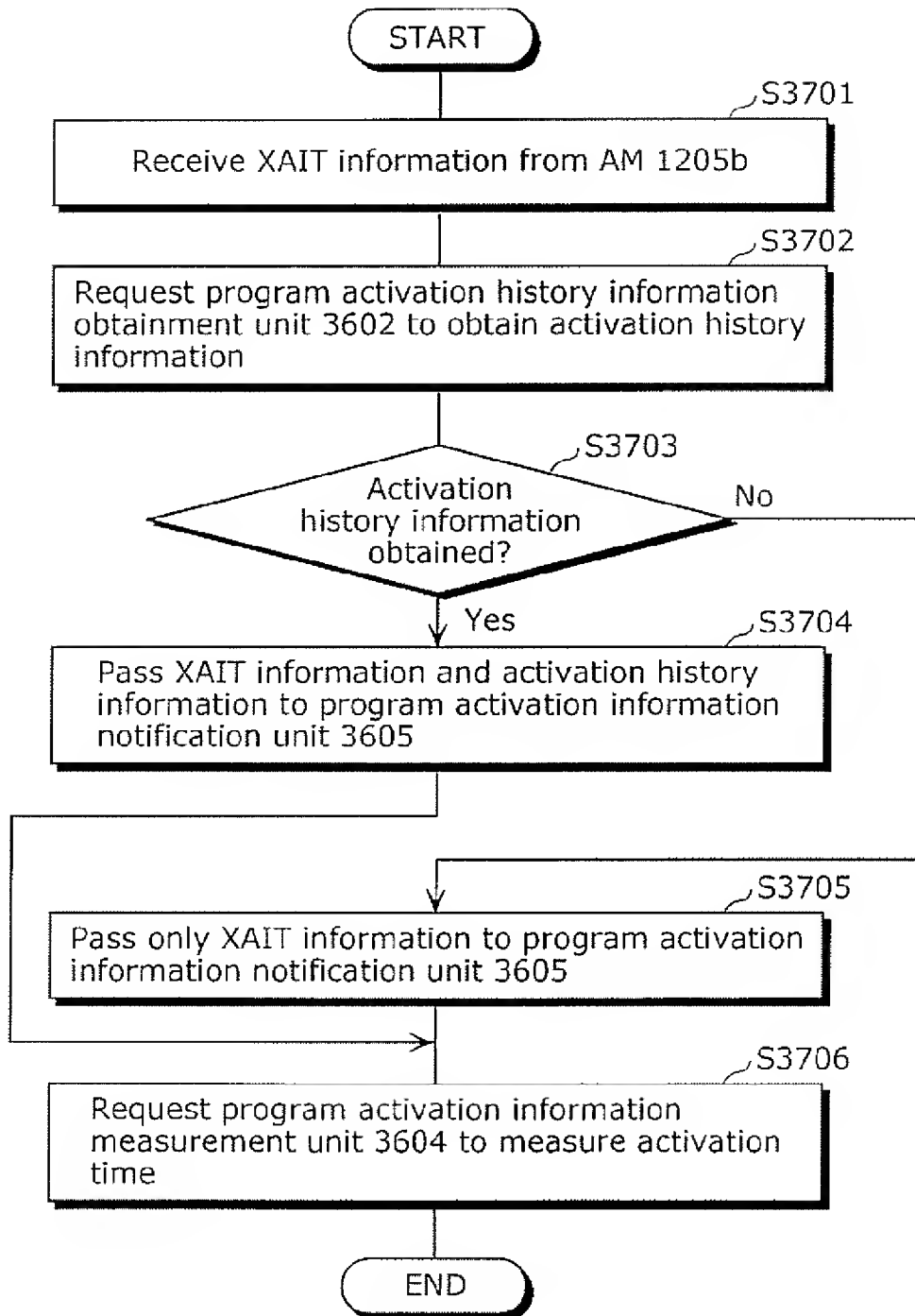


FIG. 38

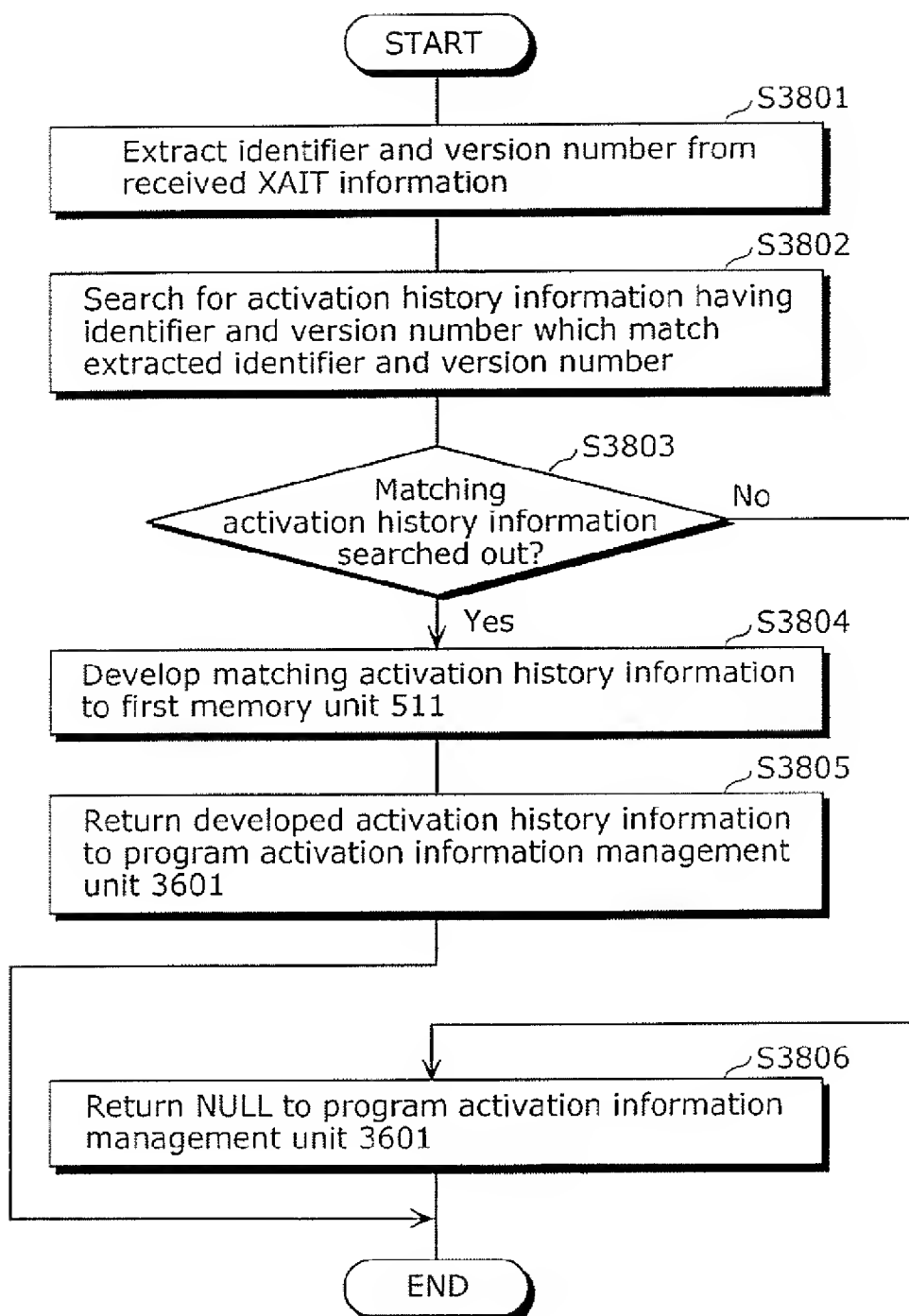


FIG. 39

	Java program identifier 3901	Version number 3902	Download time 3903	Activation time 3904
3911	0x201	1	80 (seconds)	70 (seconds)
3912	0x202	2	100 (seconds)	120 (seconds)

FIG. 40

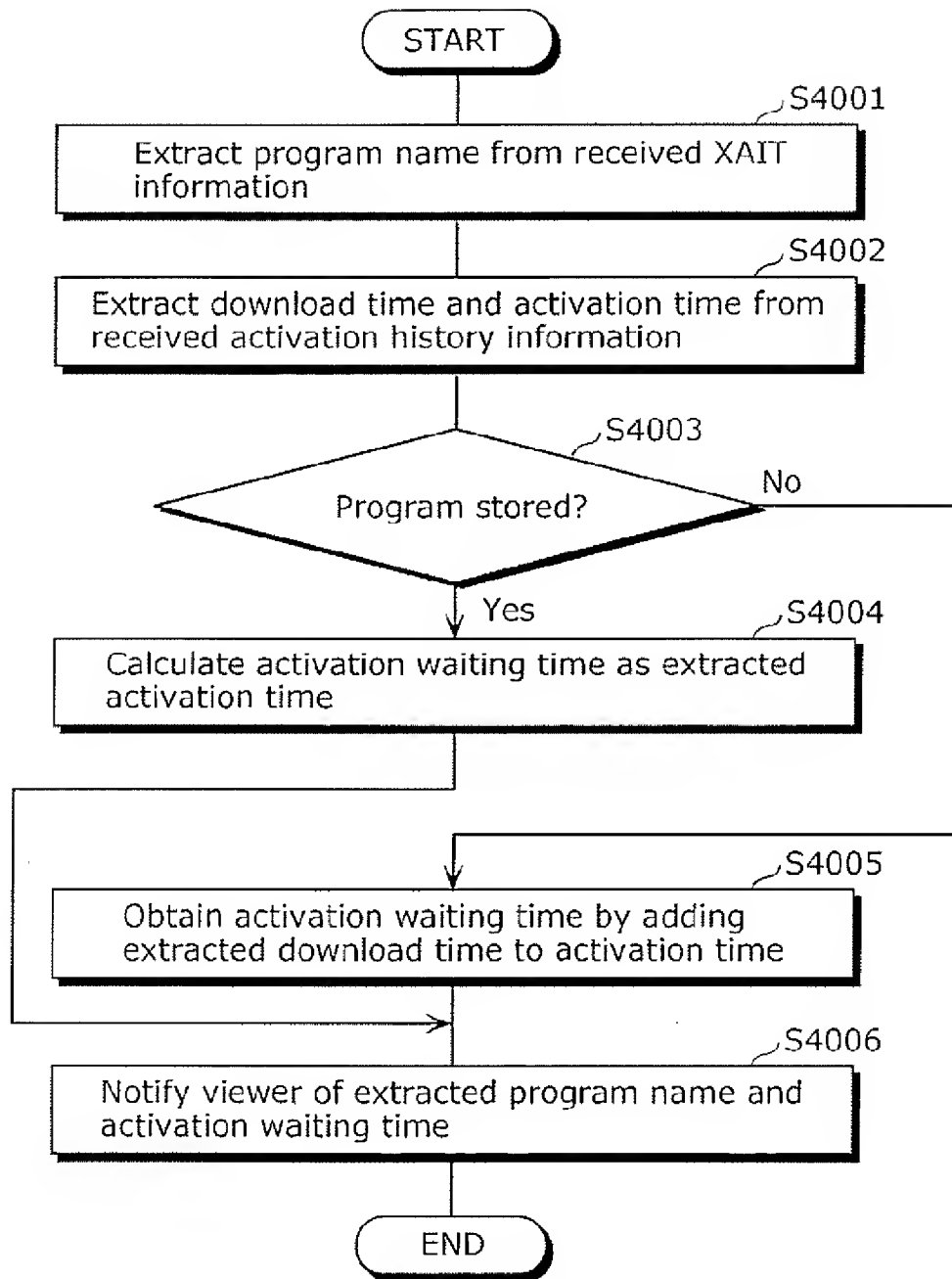


FIG. 41

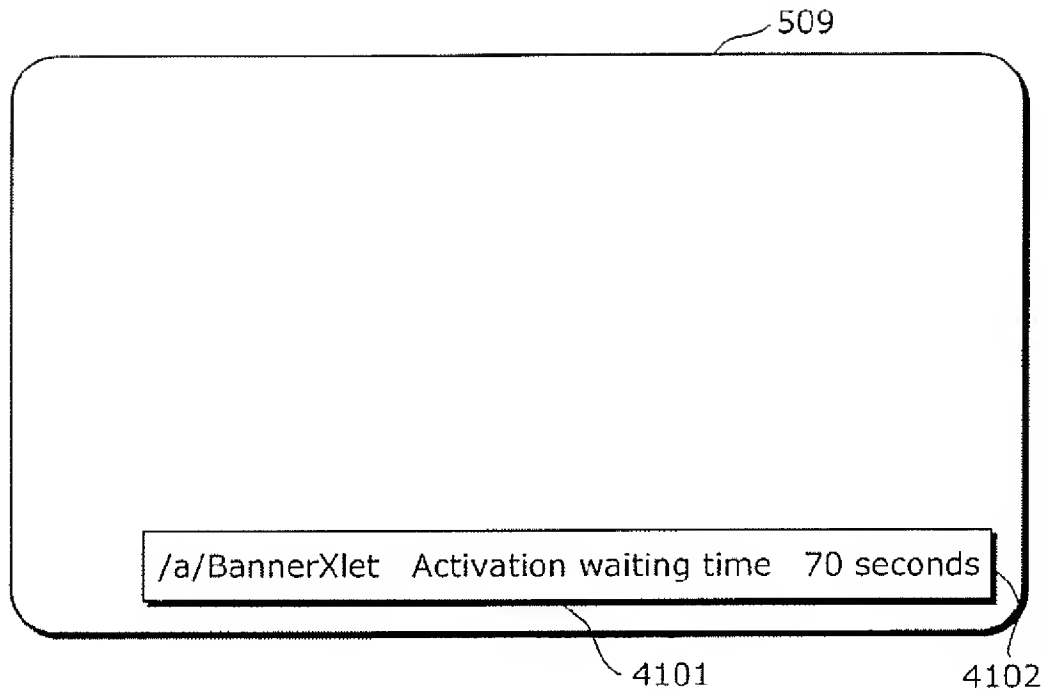


FIG. 42

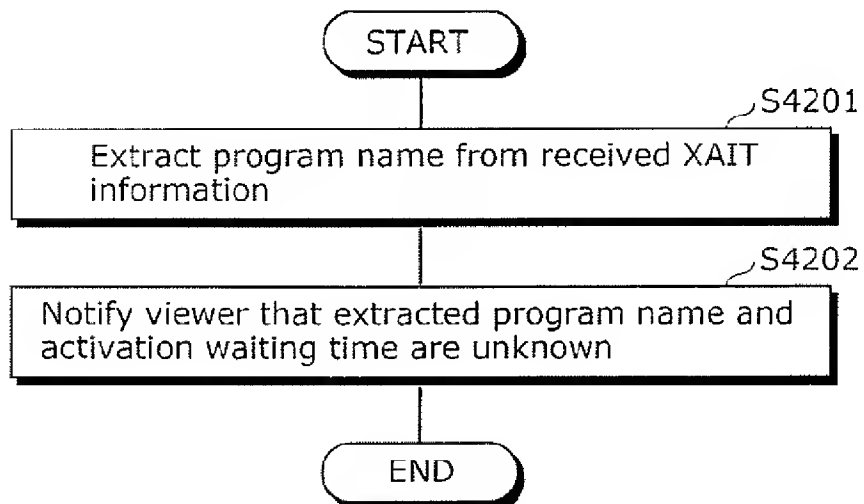


FIG. 43

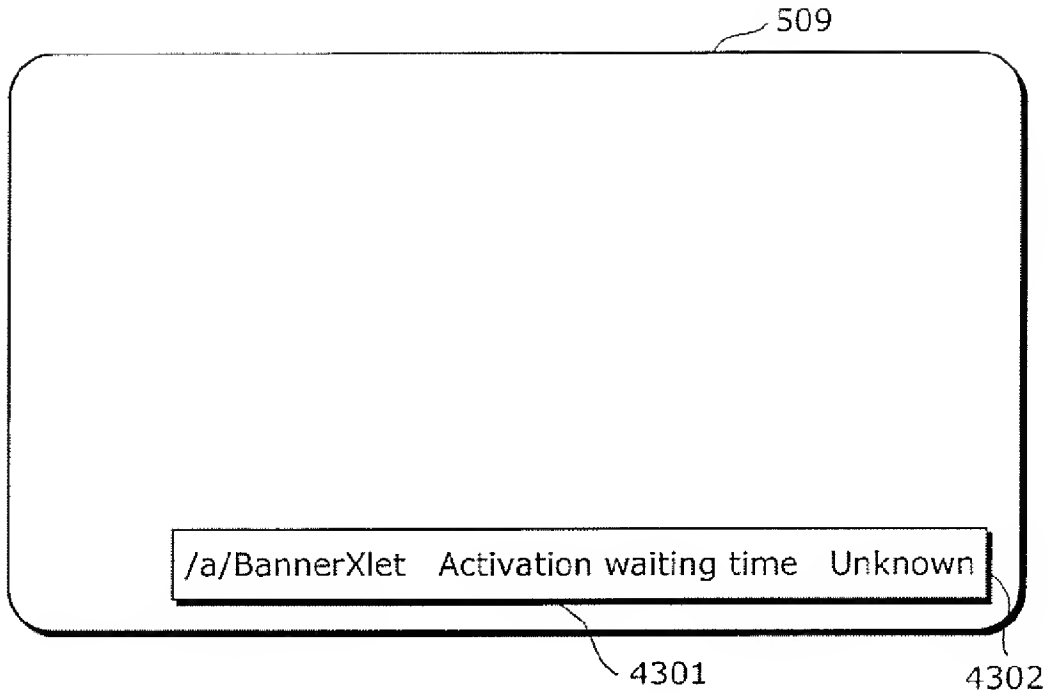


FIG. 44

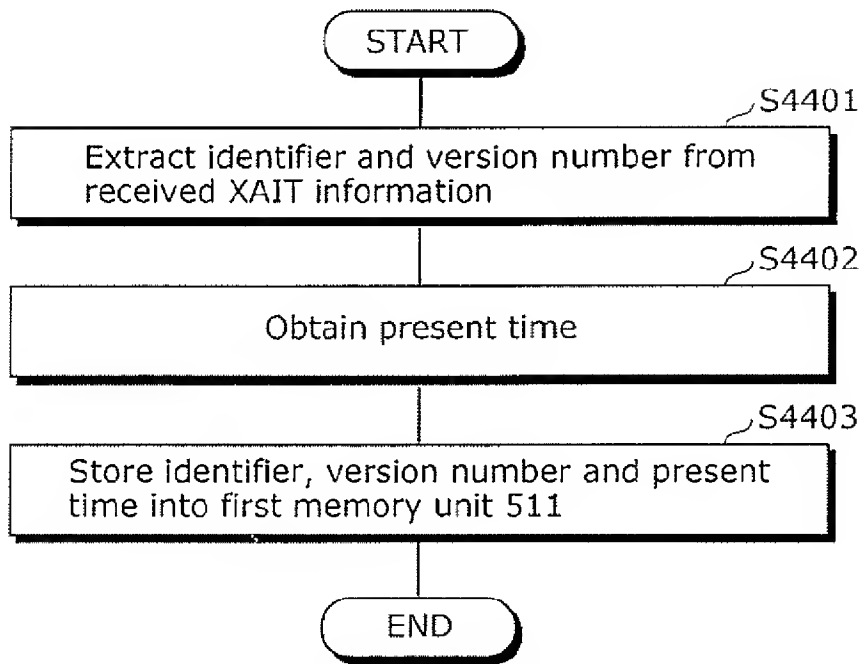


FIG. 45

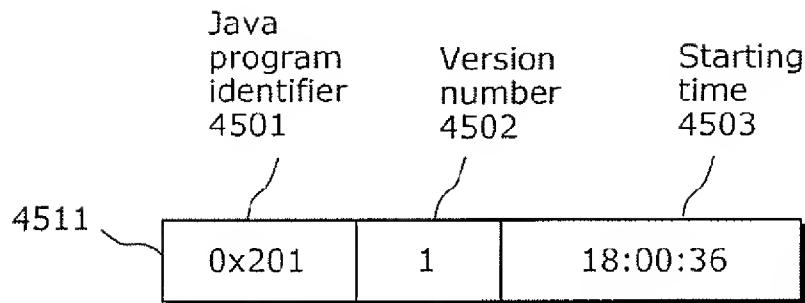


FIG. 46

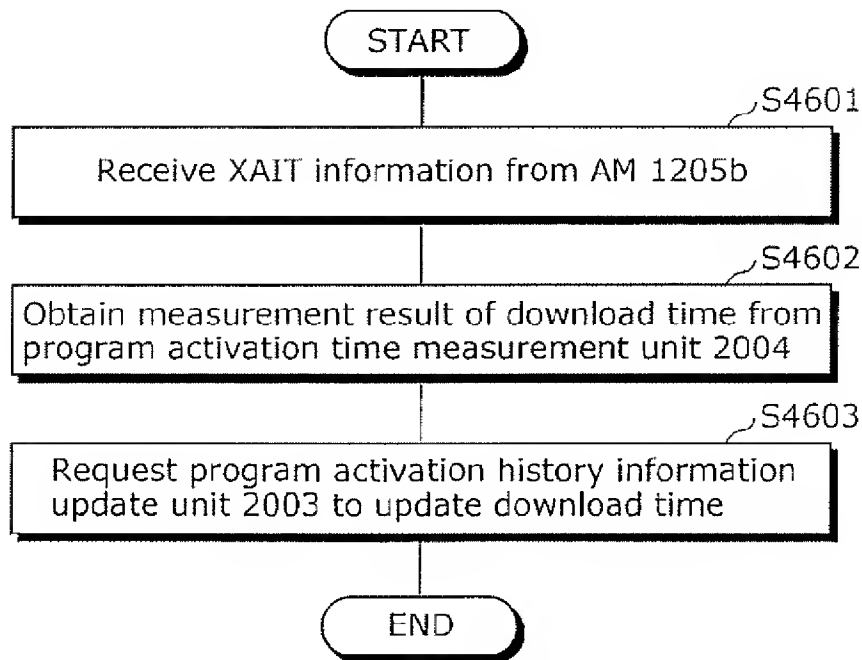


FIG. 47

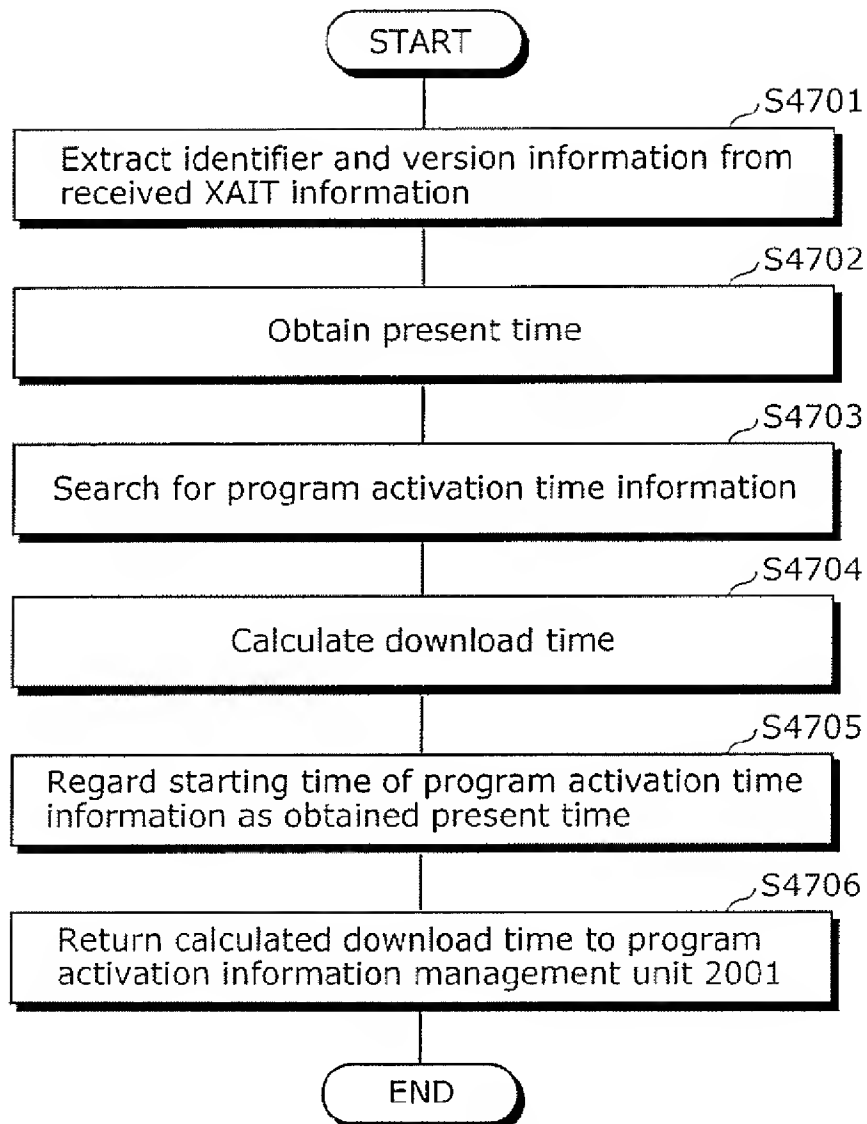


FIG. 48

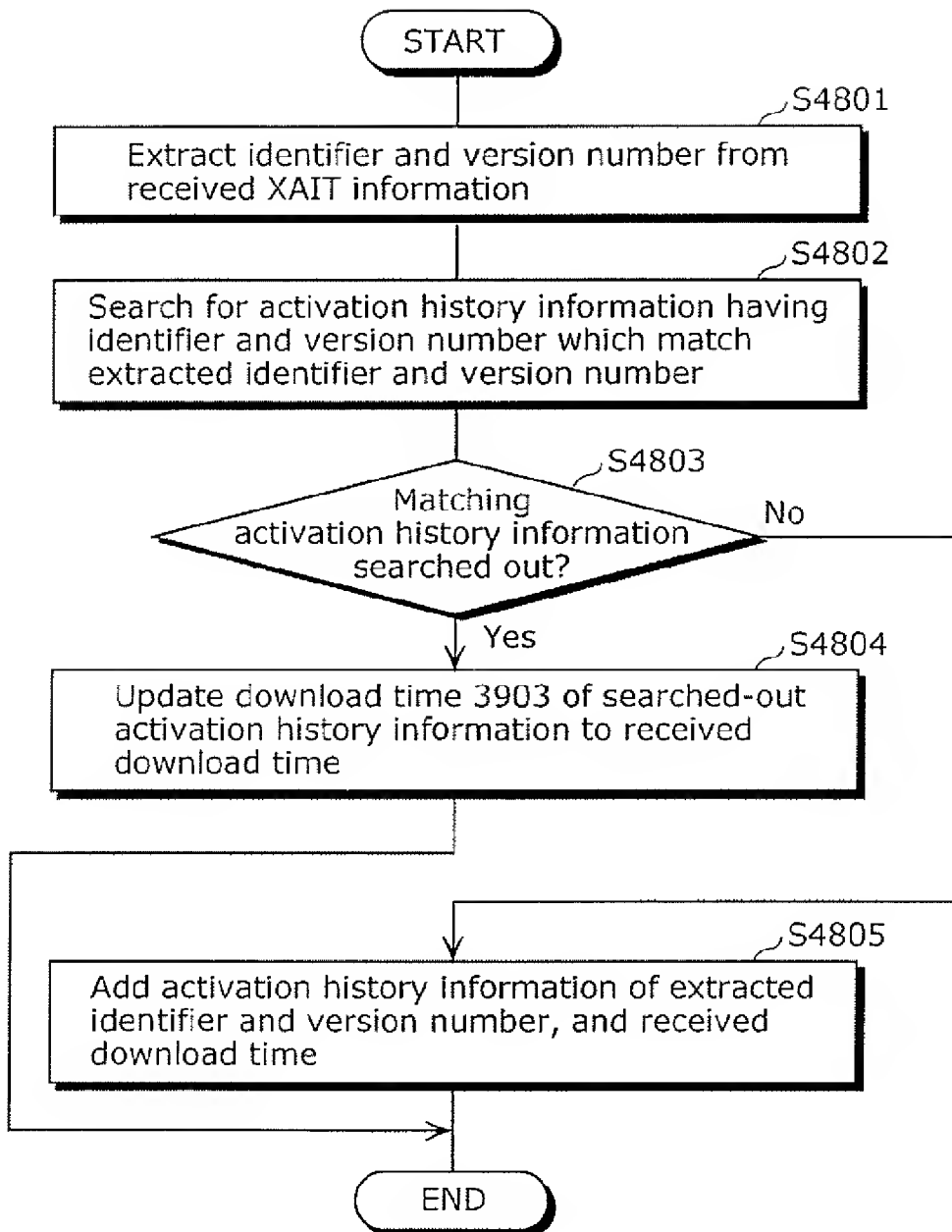


FIG. 49

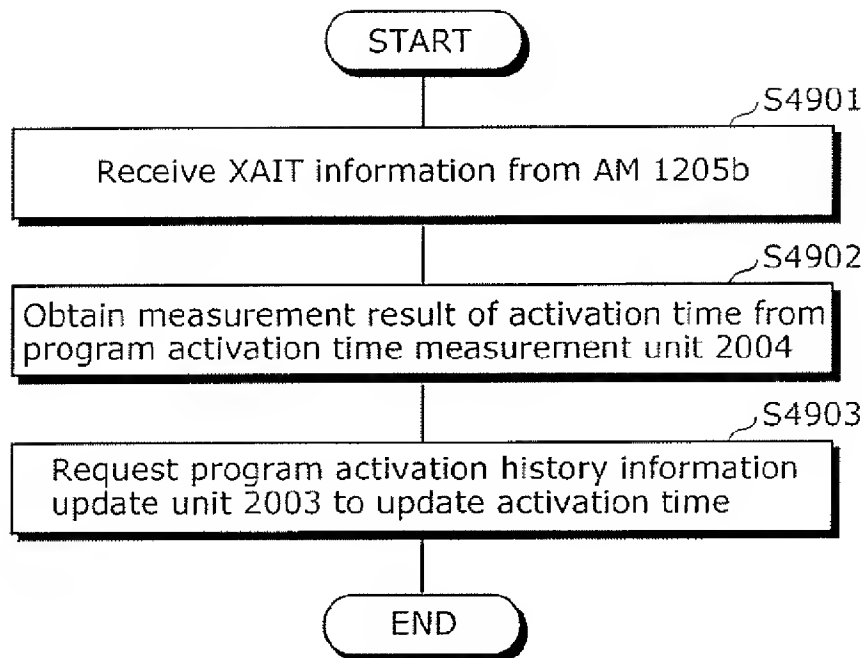


FIG. 50

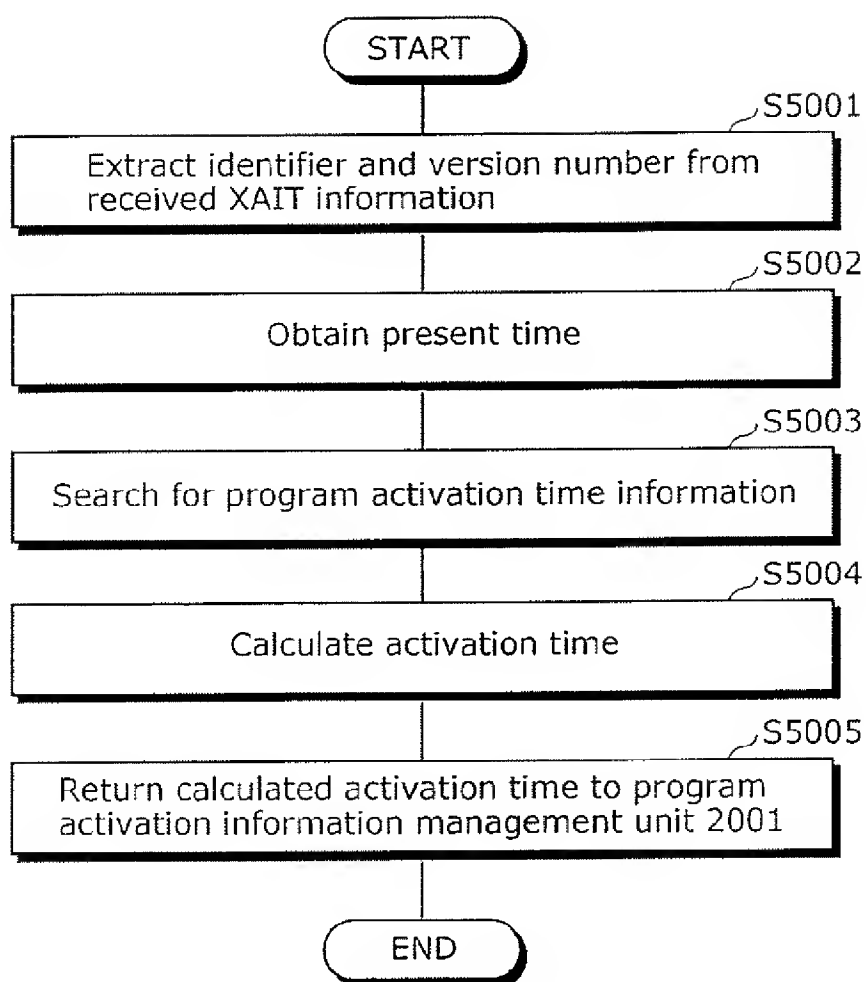


FIG. 51

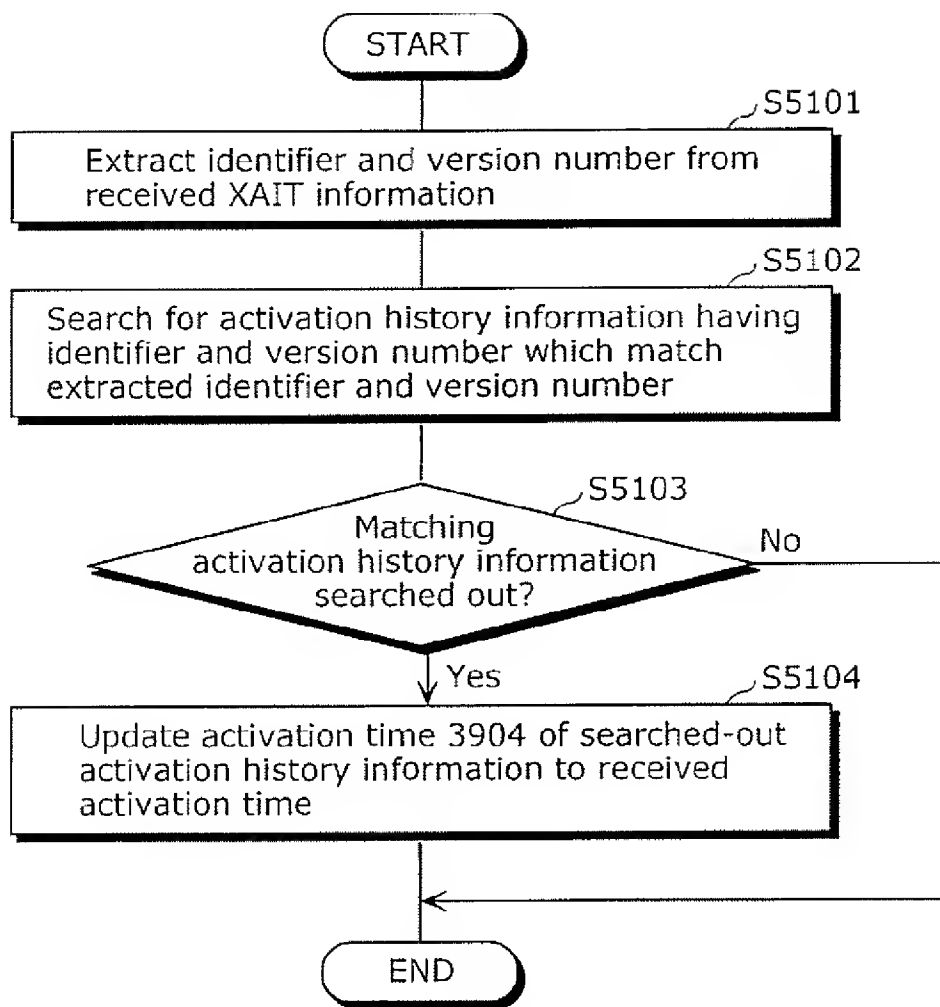


FIG. 52

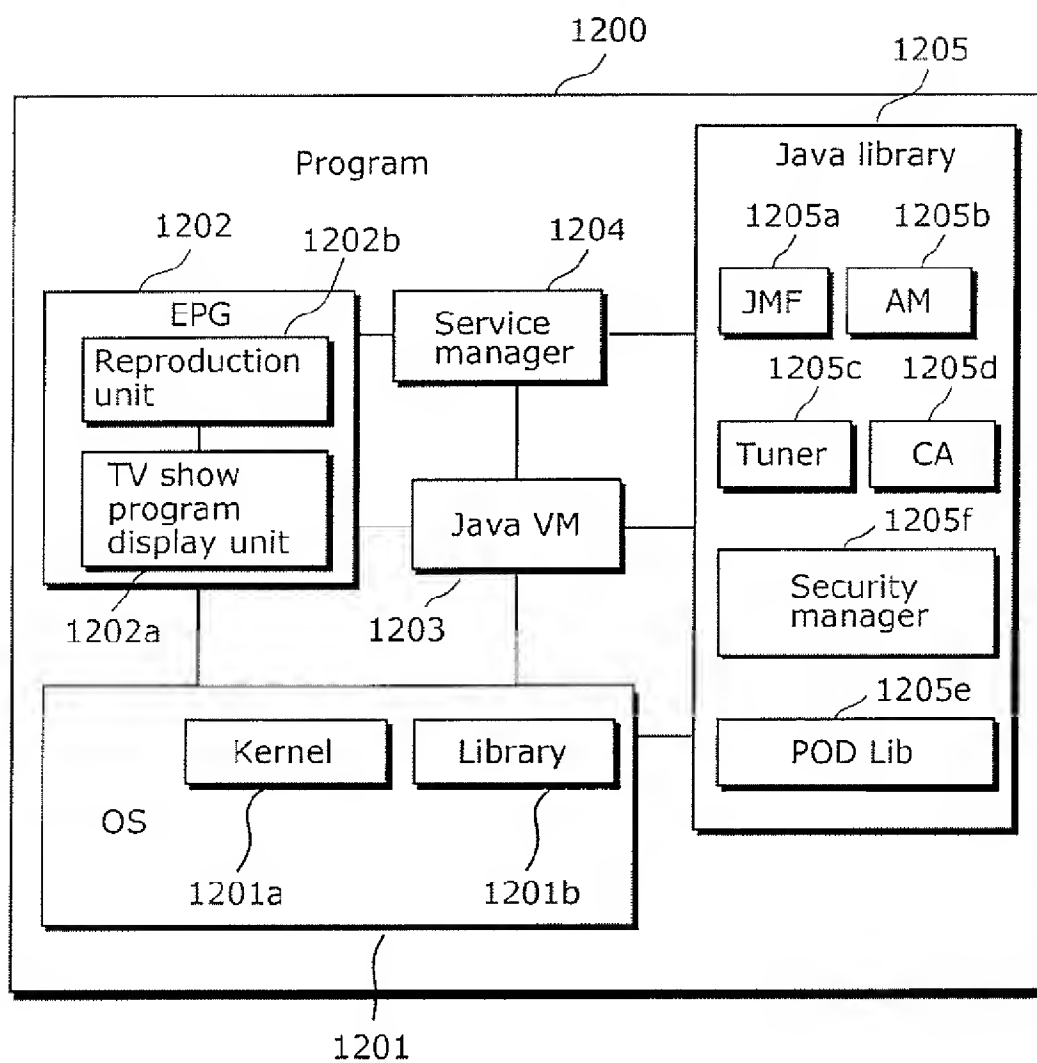


FIG. 53A

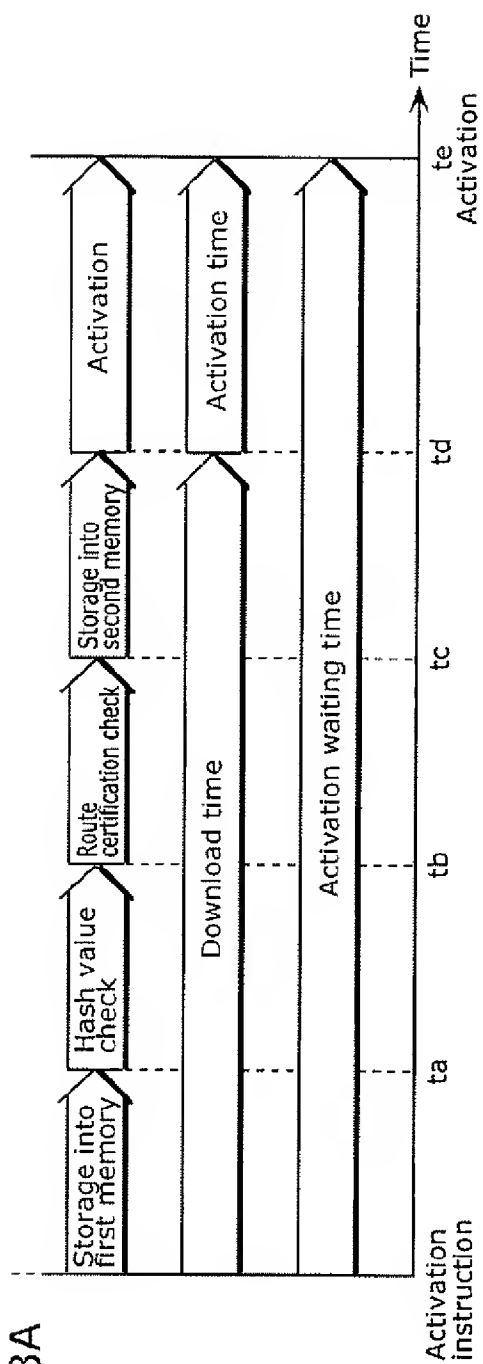


FIG. 53B

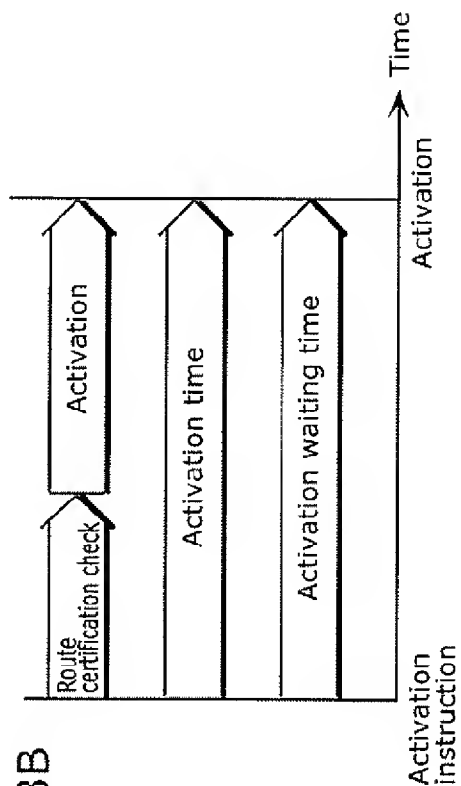


FIG. 54

	5401	5402	5403	5404
5411	0x4001	1	80 (seconds) 40 20 20	70 (seconds)
5412	0x4002	2	100 (seconds) 50 25 25	120 (seconds)
			5405 5406 5407	

FIG. 55

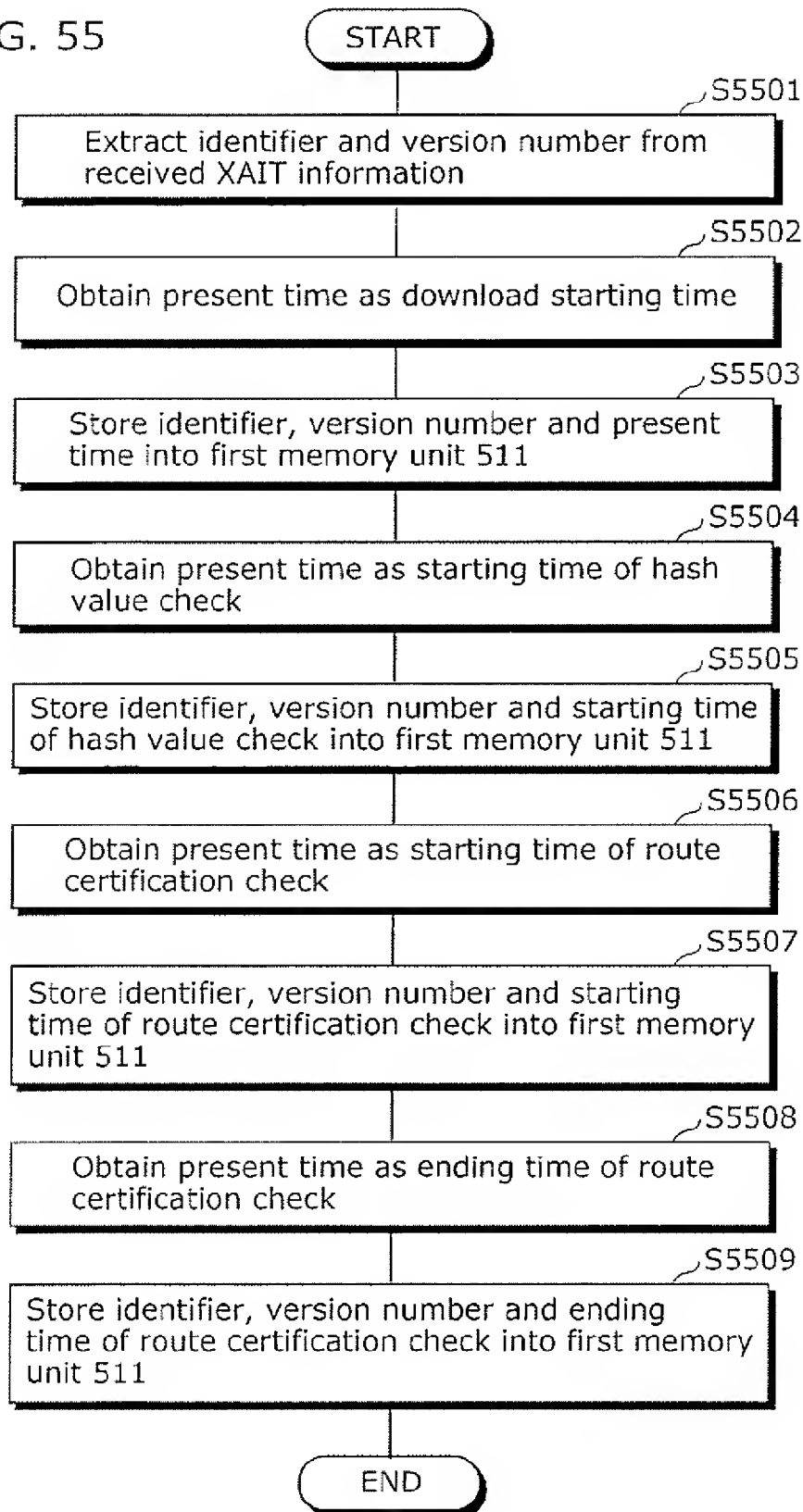


FIG. 56A

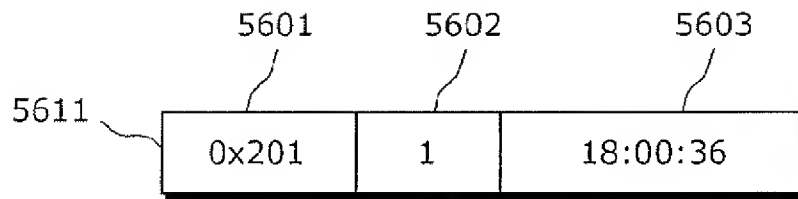


FIG. 56B

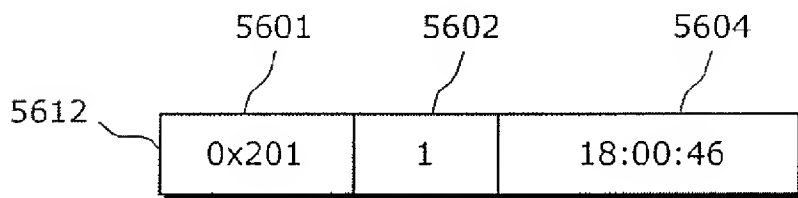


FIG. 56C

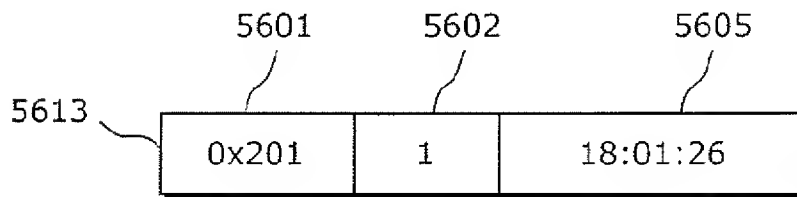


FIG. 56D

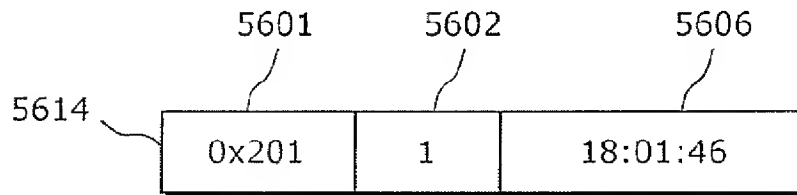


FIG. 57

